

11Mbps Wireless LAN Smart Station Adapter

Quick Start Guide

Version 1.6

The next-generation wireless LAN device – 11Mbps Wireless LAN Smart Station adapter, brings Ethernet-like performance to the wireless realm. Fully compliant with IEEE802.11b standard, the 11Mbps Wireless LAN Smart Station adapter also provides powerful features such as the Windows-based configuration utility, and WEP security. Maximize network efficiency while minimizing your network investment and maintenance costs.

Package Content

11Mbps Wireless LAN Smart Station Adapter x 1

AC Power Adapter x 1

Software and Documentation CD x 1

Quick Installation Guide x 1



Note: If any of the above items are missing or damaged, contact your local dealer for support.

Mechanical Description

Top panel of the Wireless LAN Smart Access Point:

The following table provides an overview of each LED activity:

LED Definition	Activity	Description
PWR 	Green	Power enabled
WLAN 	Green	Off: No Wireless LAN traffic activity On: Associated to the Wireless AP and Wireless LAN traffic activity.
LAN 	Green	Off: No Ethernet traffic activity Flashing: Wired LAN traffic activity On: Connect to the Ethernet.

Back panel of the Wireless LAN Smart Station Adapter:

Power Socket

ONLY use the power adapter supplied with the Wireless LAN Smart Station Adapter. Otherwise, the product may be damaged.

LAN Ports

Connect the Wireless LAN Smart Station Adapter to a hub or a PC with its UTP Ethernet

cable. Please note that, use the cross-over cable when you directly connect the Wireless LAN Smart Station Adapter to a PC.

Default

The button labeled “DEFAULT” enables you to restore the Wireless LAN Smart Station Adapter’s default setting. This is used when you forget the password.

Installing the Wireless LAN Smart Station Adapter

- Connect the Wireless LAN Smart Station Adapter to a hub or a PC with its UTP Ethernet cable. Please note that, use the cross-over cable when you directly connect the Wireless LAN Smart Station Adapter to a PC.
- Connect the power adapter to the power socket on the Wireless LAN Smart Station Adapter, and plug the other end of the power pack into an electrical outlet.



Note 1: ONLY use the power adapter supplied with the Wireless LAN Smart Station Adapter. Otherwise, the product may be damaged.

Note 2: The button labeled “Default” enables you to restore the Wireless LAN Smart Station Adapter’s default setting. This is used when you forget the password. Please detach the DC power plug and press the “**Default**” button on the side panel of the Wireless LAN Smart Station Adapter. Reconnect the power and keep holding the button for 3 seconds then release it and press and keep holding it again for 10 seconds until the WLAN and LAN LED indicators become blinking rapidly. This will restore the Wireless LAN Smart Station Adapter’s default settings and enable you to configure the Smart Station via utility or Web again.

Configuring the Wireless LAN Smart Station

The 11Mbps Wireless LAN Smart Station Adapter allows configuration either via the configuration utility, known as Wireless Station Adapter Utility, and Web Management .

Wireless Station Adapter Utility

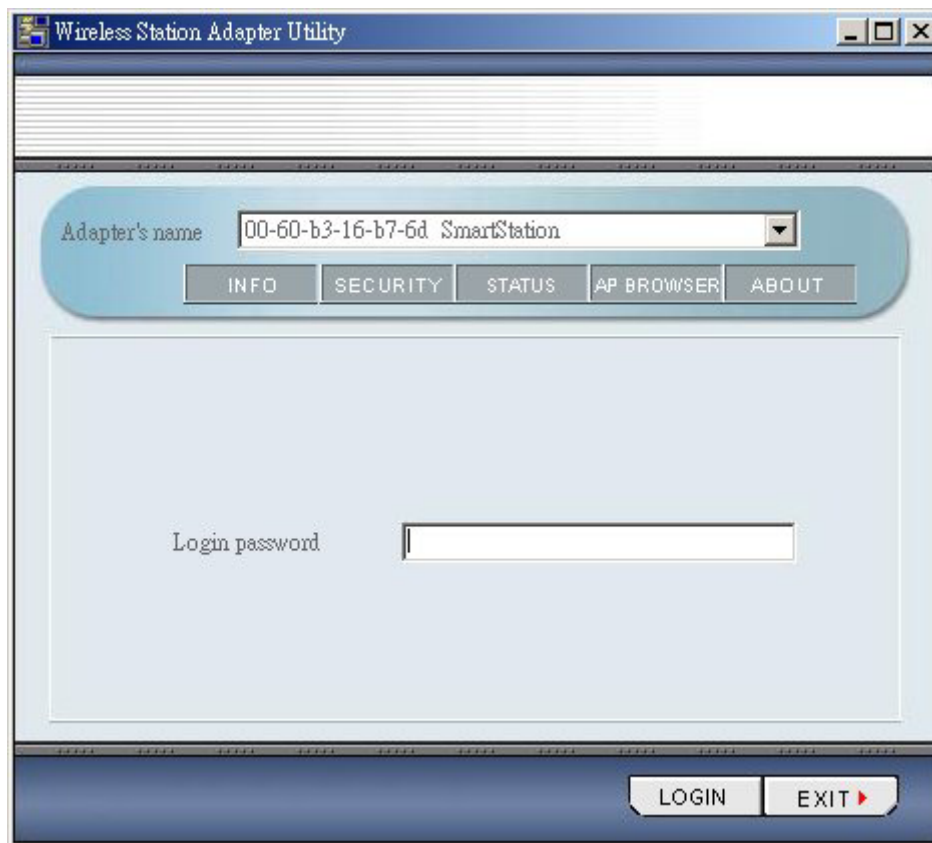
The following gives instructions guiding you through the installations of the Wireless Station Adapter Utility.

1. Insert the Product CD into the CD-ROM drive on your computer.
2. It will has the AutoRun function and show menu “Wireless 802.11b Smart Series” on the Windows desktop, choose the ”Smart Station ” and select the “Utility Setup”.
3. Follow the on-screen instructions to install the Wireless Station Adapter Utility.

4. Upon completion, execute the Smart Station Utility, and it will browse all the 11Mbps Wireless LAN Smart Station Adapter available on the network.
5. Select the Smart Station you want to configure. Enter the default password and click the **LOGIN** button. You will be able to view/make configuration of the Wireless LAN Smart Station Adapter as you desire.



Note: The default password to get access to the Wireless LAN Smart Station Adapter is “default”.



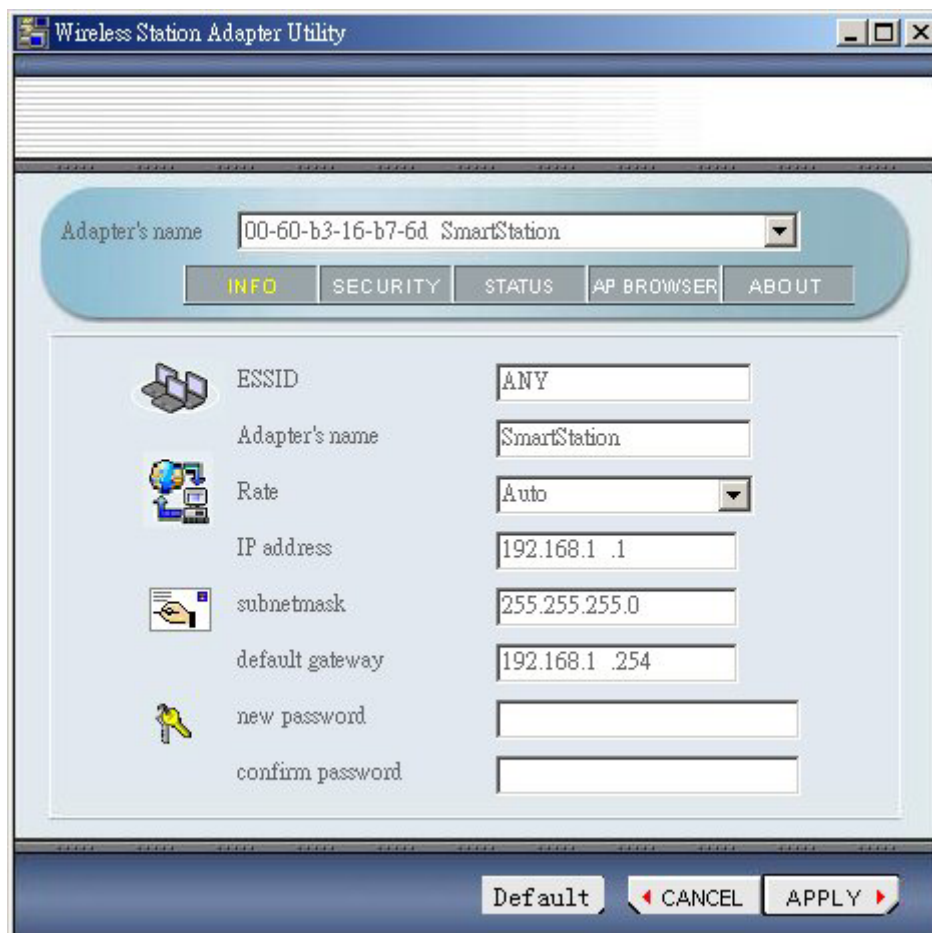
The Wireless Station Adapter Utility provides 5 items for you to monitor and configure the Wireless LAN Station: **INFO**, **SECURITY**, **STATUS**, **AP BROWSER** and **ABOUT**.

INFO:

This item shows the current information on the 11Mbps Wireless LAN Smart Station Adapter such as ESSID, Adapter’s name, Rate, IP Address, subnetmask, and default gateway.



You may click the **SETUP** button to configure those parameters.



■ **Assigning the ESSID**

The ESSID is a unique ID used by Access Points and Stations to identify a wireless LAN. Wireless clients associating to any Access Point must have the same ESSID. The default ESSID is ANY. The ESSID can have up to 32 characters.

■ **Assigning the Adapter's Name**

Assign specificity a unique name for Wireless LAN Smart Station Adapter.

■ **Assigning the Rate**

Wireless LAN Smart Station Adapter provides various data rate options for you to select. Data rates options include **1 Mbps, 2 Mbps, 5.5 Mbps, 11 Mbps**, and **Auto**. In most networking scenarios, you will see that the factory-set default “**Auto**” will prove the most efficient.

■ **Assigning the IP Address**

Assign an IP address to your Smart Station if you wish to configure the Wireless Smart Station via the Web Management. Consult your network administrator to obtain an available IP address (**the default IP address is 192.168.1.1**). For further setup please refer to the following section.

■ **Assigning the subnet mask**

Assign an subnet mask to your Smart Station if you wish to configure the Wireless Smart Station via the Web Management. Consult your network administrator to obtain an available subnet mask. For further setup please refer to the following section.

■ **Assigning the default gateway**

Assign an default gateway to your Smart Station if you wish to configure the Wireless Smart Station via the Web Management. Consult your network administrator to obtain an available default gateway.

■ **Password**

It is highly recommended that you assign a new password to your Smart Station for safety issue. Enter the new password in the New Password and Confirm Password fields respectively.

After setting the parameters, click the **APPLY** button to make the changes take effect. To return the previous page, click the **CANCEL** button.

■ **Default**

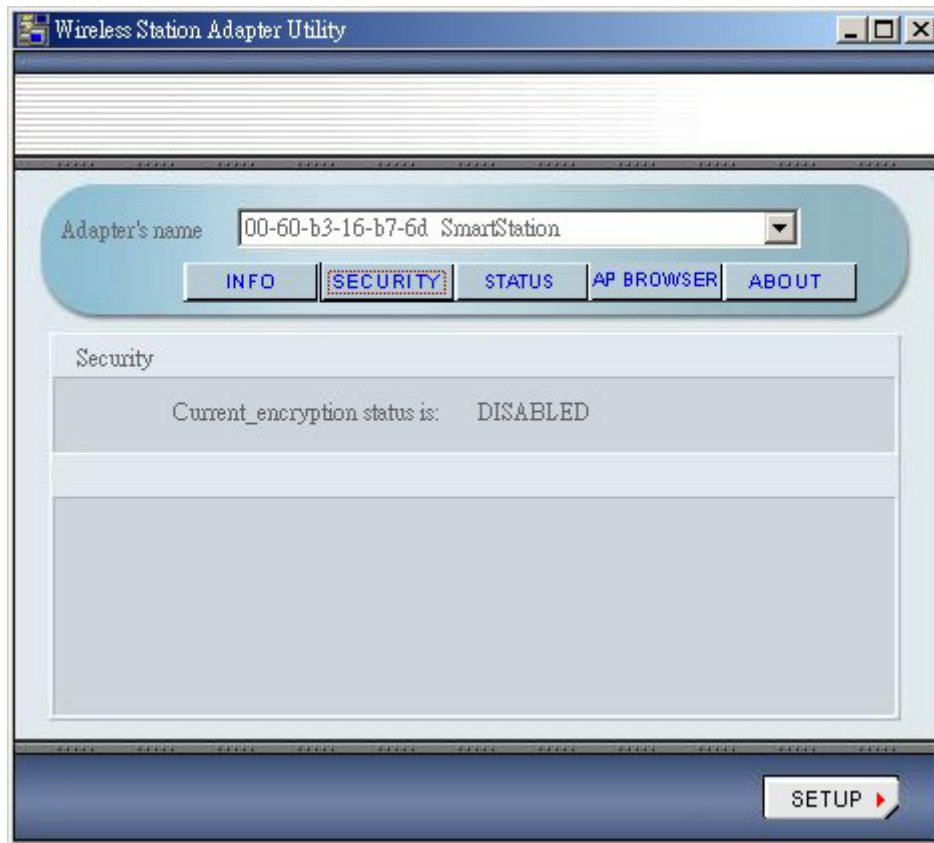
You may click on **Default** button to enable you to restore the Wireless LAN Smart Access Point's default setting.

SECURITY:

To prevent unauthorized wireless stations from accessing data transmitted over the network, the Wireless LAN Smart Station Adapter offers the following levels of security options.

- Data Encryption, known as WEP (Wired Equivalent Privacy), encrypts wireless data transmitted via wireless medium.

Click the Security page you will see the current security status of the Smart Station. Click the **SETUP** button and you may then enable the security function.



WEP

To enable the WEP encryption, select the encryption type, either 40 bit or 128 bit, Key Format ASCII, Hex, or Passphrase. Then enter a WEP Key in the **EDIT Key** field.

For 40 bit encryption you may choose:

- **ASCII: 5 characters** (case sensitive) ranging from "a-z", "A-Z" and "0-9" (e.g. MyKey)
- **Hex: 10 hexadecimal digits** in the range of "A-F", "a-f" and "0-9" (e.g. 11AA22BB33)

For 128 bit encryption you may choose:

- **ASCII: 13 characters** (case sensitive) ranging from "a-z", "A-Z" and "0-9" (e.g. MyKey12345678)

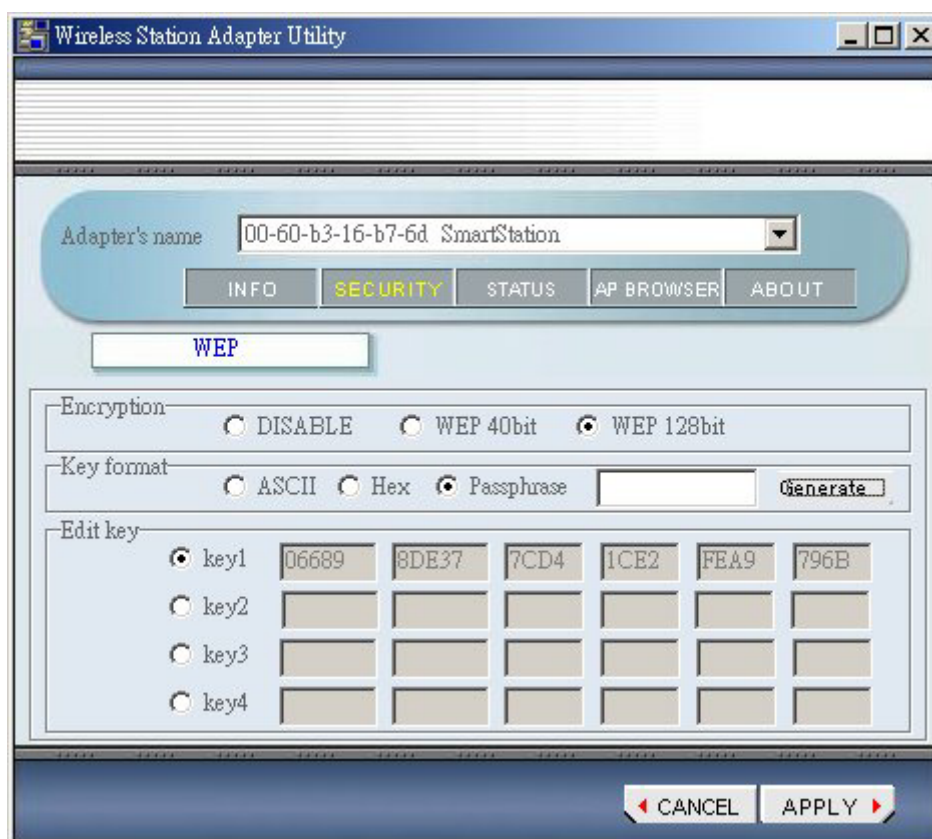
- **Hex:** 26 *hexadecimal digits* in the range of “A-F”, “a-f” and “0-9” (e.g. 00112233445566778899AABBCC).

Create Encryption Keys by Using a Passphrase

Step 1. To create encryption keys by using a passphrase, select key format either 40 bit or 128 bit and enter Passphrase.

Step 2. Type a character string in the Passphrase to generate key field, then click **Generate**. As you type, the utility uses an algorithm to generate 4 keys automatically.

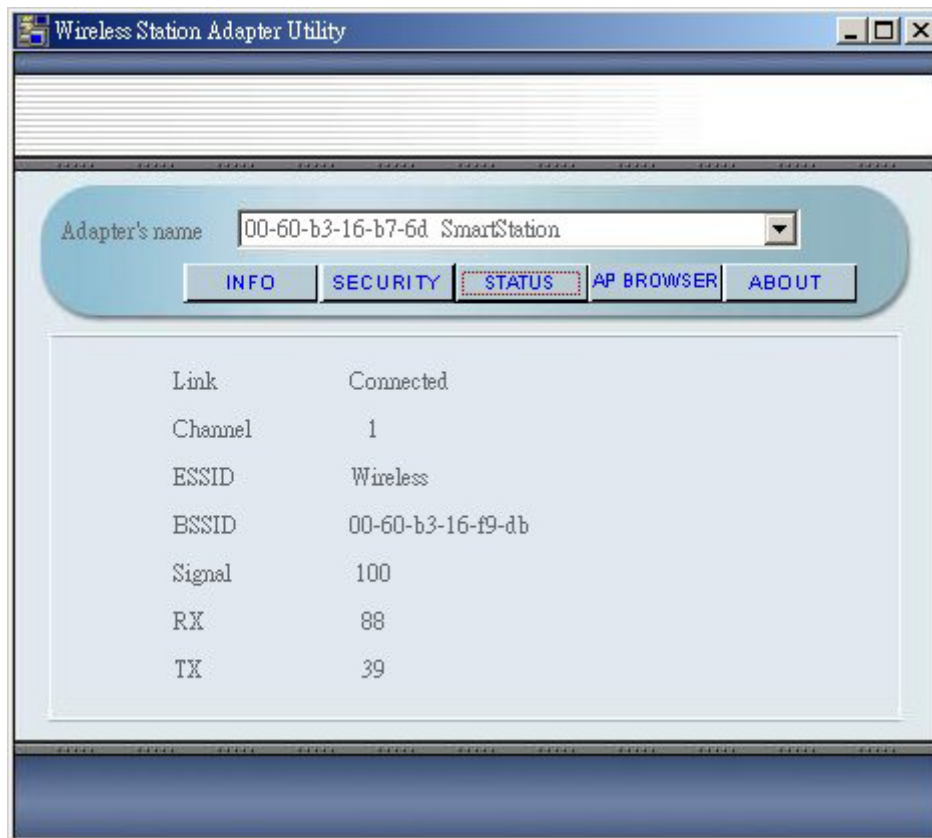
Step 3. Select one key from the **Edit Key** and click **Apply** button to make the setting take effect.



After defining the WEP keys, click the **APPLY** button to make the configuration take effect.

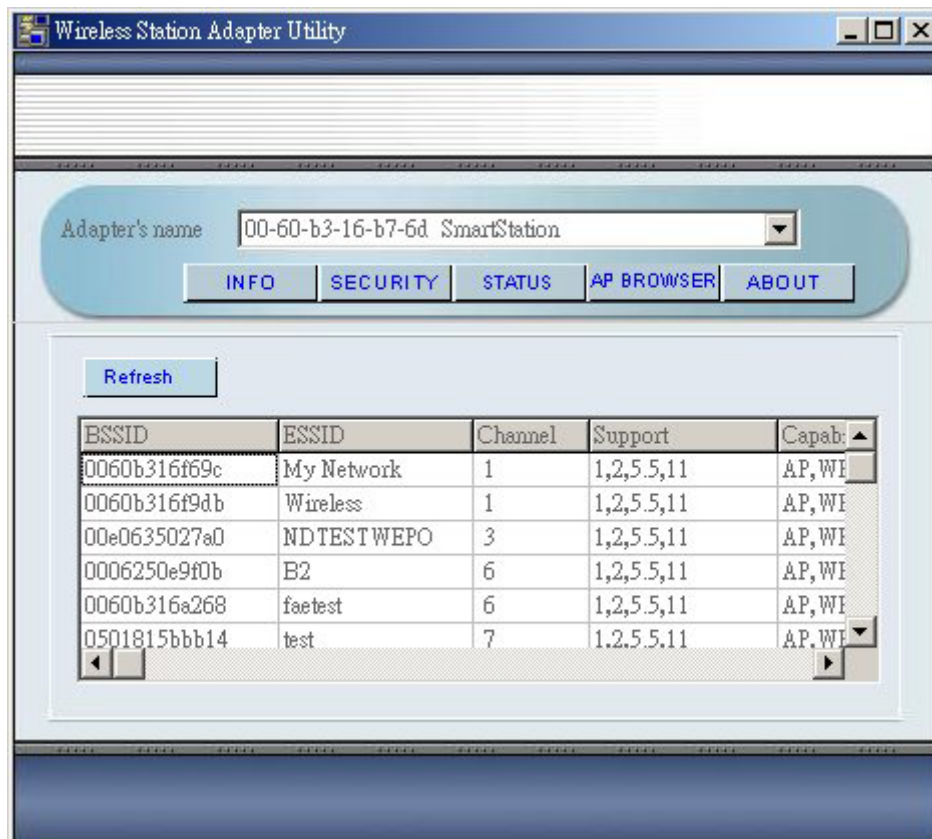
STATUS:

The STATUS item allows you to monitor the general information of the Access Point with which the Wireless LAN Station is communicating. Such as Link status, Channel, ESSID, BSSID, Signal, RX and TX.



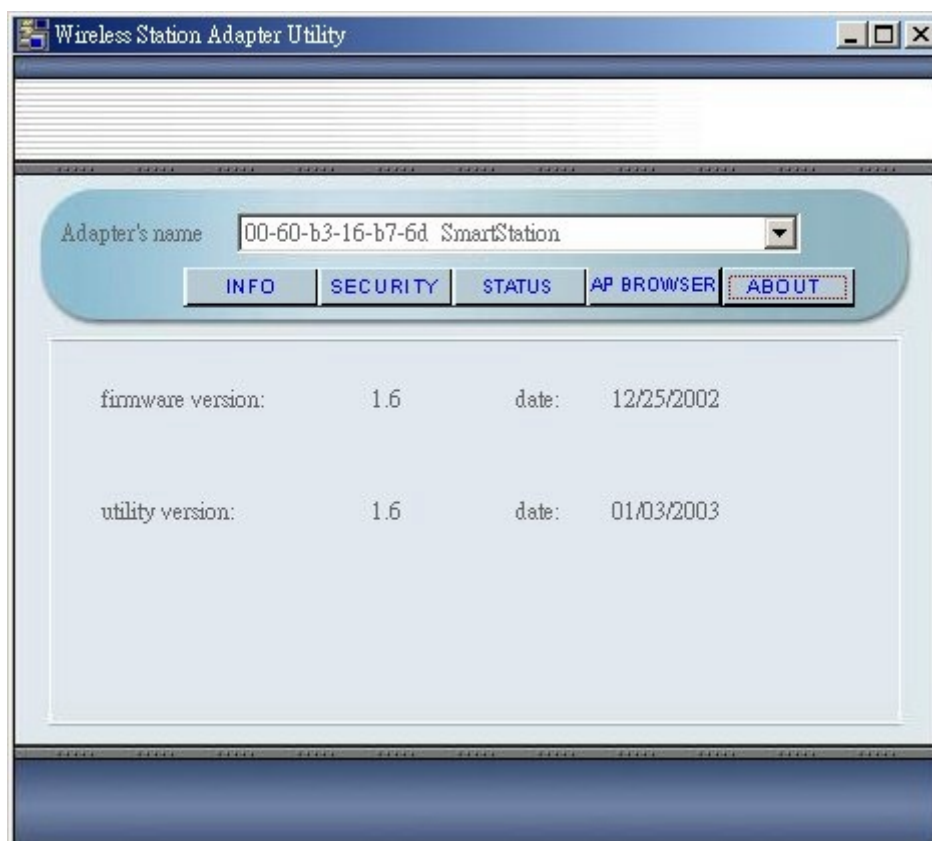
AP BROWSER:

By clicking the **Refresh** button, the AP Browser will reload and display the available Access Points around the working environment. Besides showing the BSSID of each Access Point, it also displays ESSID, Channel, Support and Capability. The AP Browser can have up to 16 Access Points.



ABOUT:

The **About** item shows the version of the Wireless Station Adapter Utility and firmware version of the Wireless LAN Smart Station Adapter.



Firmware Upgrade Utility

When you finished the installations of the Wireless Access Point Utility, you can find the Firmware upgrade utility in the programs, execute the Firmware upgrade utility, and it will browse all the 11Mbps Wireless LAN Smart Access Point available on the network.

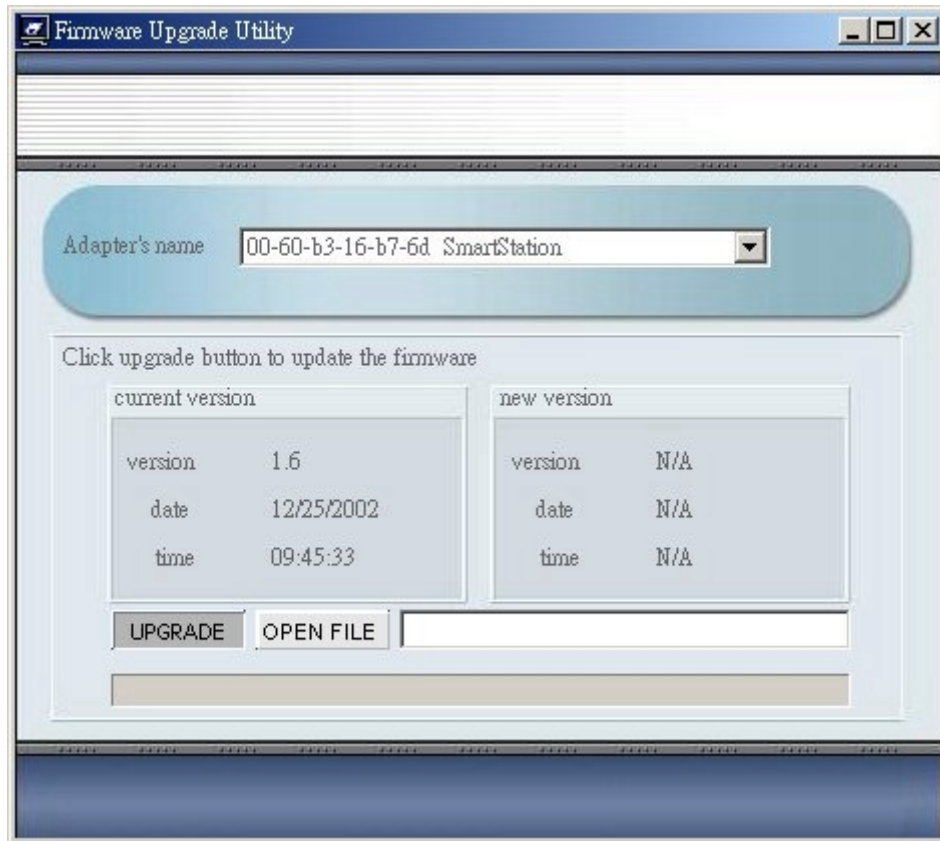
Select the Access Point you want to upgrade. Enter the default password and click the **LOGIN** button. You will be able to upgrade Firmware of the Wireless LAN Smart Access Point as you desire.



Note: The default password to get access to the Wireless LAN Smart Access Point is “default”.

Upgrade

This item is used for uploading the newest firmware of the Access Point. You may either enter the file name in the entry field or browse the file by clicking the **Open File** button. After choose the correctly file, click the **Upgrade** button to make the Firmware upgrade take effect. For information about the release of the newest firmware, contact your local reseller.



Web Management

The built-in Web Management provides you with a set of user-friendly graphical user interfaces (web pages) to manager your Smart Station. With the assigned IP address (e.g. <http://192.168.1.1> , **192.168.1.1 is the default IP address**) to the Smart Station, you may get access to the **Smart Station Web Pages** via a web browser (e.g., Netscape Navigator 3.0 ~ 4.5 or MS Internet Explorer 4.0) to monitor and configure the Smart Station.

Configuration

General

(address: 00-60-b3-16-b7-6d)

Information

Configuration

TCP/IP

Statistics

Logout

General

WEP

General

General

AP Browser

General Parameters

You can change the identification of your Station Adapter here.

Station Adapter Name:

IEEE802.11 Parameters

The IEEE802.11 parameters control the operation of the wireless LAN protocol. Make sure your wireless LAN settings (clients) are matching configuration. For example, all your wireless LAN stations should select the same ESSID as configured below to communicate with this Station Adapter.

ESSID:

Network Type: ☒ Infrastructure(with Access Point)

Rate:

Administration Parameters

You can change some parameters for this Station Adapter's administration interface here.

New Password: (Leave it as blank if you don't want to change it.)

Confirm Change: (to make sure you're typing it correctly.)

Apply

Reset

Default

new configuration, or to be unchanged, to be hardware default.

Technical Support

You can find the most recent software and updated user documentation will be updated periodically on the supplier Web site. If you have difficulty resolving the problem while installing or using the 11Mbps Wireless LAN Smart Station Adapter, please contact the supplier for support.

12

Limited Warranty

This Warranty constitutes the sole and exclusive remedy of any buyer or reseller's equipment and the sole and exclusive liability of the supplier in connection with the products and is in lieu of all other warranties, express, implied or statutory, including, but not limited to, any implied warranty of merchantability of fitness for a particular use and all other obligations or liabilities of the supplier.

In no event will the supplier or any other party or person be liable to your or anyone else for any damages, including lost profits, lost savings or other incidental or consequential damages, or inability to use the software provided on the software media even if the supplier or the other party person has been advised of the possibility of such damages.

The following are special terms applicable to your hardware warranty as well as services you may use during part of the warranty period. Your formal Warranty Statement, including the warranty applicable to our Wireless LAN products, appears in the Quick Installation Guide which accompanies your products.

Duration of Hardware Warranty: One Year

Replacement, Repair or Refund Procedure for Hardware:

If your unit needs a repair or replacement, return it to your dealer/distributor in its original packaging. When returning a defective product for Warranty, always include the following documents:

- The Warranty Repair Card
- A copy of the invoice/proof of purchase, and
- The RMA Report Form (To receive a Return Materials Authorization form (RMA), please contact the party from whom you purchased the product).

Upon proof-of-purchase we shall, at its option, repair or replace the defective item at no cost to the buyer.

This warranty is contingent upon proper use in the application for which the products are intended and does not cover products which have been modified without the reseller's approval or which have been subjected to unusual physical or electrical demands or damaged in any way.

FCC CAUTION

1. The device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference.

(2) This device must accept any interference received, including interference that may cause undesired operation.

2. FCC RF Radiation Exposure Statement: The equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

3. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

4. Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user authority to operate the equipment.

Please complete the information below and include it along with your products.

Name:	
Title:	
Company:	
Telephone:	
Fax:	
Email:	
City/State/Zipcode:	
Country:	
Product Name:	
Serial Number:	
MAC Address:	
Invoice Date:	
Product Description:	

If you have any further questions, please contact your local authorized reseller for support.